For information on becoming a Computer Software Engineer-Applications see Sources of additional information within this brochure.

For information on youth employment opportunities, contact a career counselor at your high school or employment counselor or job and information center coordinator at your local NH Employment Security Office.

Berlin (752-5500)
151 Pleasant St., PO Box 159, 03570-0159
Claremont (543-3111)
404 Washington St., PO Box 180, 03743-0180
Concord (228-4100)
10 West St., PO Box 1140, 03302 - 1140
Conway (447-5924)
518 White Mountain Highway, 03818-4205
Keene (352-1904)
109 Key Rd., 03431-3926
Laconia (524-3960)
426 Union Ave., PO Box 760, 03246-2894
Lebanon (448-6340)
85 Mechanic St., Ste.4, 03766-1506
Littleton (444-2971)
646 Union St., Ste.100, 03561-5314
Manchester (627-7841)
300 Hanover St., 03104-4957
Nashua (882-5177)
6 Townsend St., 03060-3285
Portsmouth (436-3702)
2000 Lafeyette Rd., 03801-5673
Salem (893-9185)
29 South Broadway, 03029-3026
Somersworth (742-3600)
243 Rt.108, 03878-1512

NHCRN
New Hampshire Career Resource Network
Employment SECURITY   Rick Ricker (603) 229-4489   New Hampshire ELMIB
www.nhes.state.nh.us/elmi/nhcrn/index.htm

SO, You want to be a...

Projected among the top five fastest growing occupations. (NH Employment Projections, 2000-2010)

Also projected among the top ten occupations with the most annual openings.
(NH Employment Projections, 2000-2010)

Information Technology

Computer Software Engineer (Applications)

New Hampshire

Here are a few things you should know.

SOC 15-1031   NHCRN 02/05

You'll want to know a few things about this career.

Avg Hrly Wage:
$37.11
Expected Growth Rate*:
56%
Avg Annual Openings:
200
Training/Educ Needed:
Bachelor's Degree or Military Training *Continuing education needed to stay abreast of technological advances. See Computer Engineer Programs available in NH at* www.nhes.state.nh.us, *(NHetwork)*
Basic Skills: Reading, listening, writing, speaking, math, science.
Job Skills: Problem-solving, analytical, communication, project management. (OOH) (Also: Operations analysis, mathematics, science, information organization, programming, troubleshooting, active learning.)

www.onetcenter.org

SO, You want to be a...

Computer Software Engineer (Applications)

Projected among the top five fastest growing occupations.(NH Employment Projections, 2002-2012)

Interests (Holland Code): RIC (Realistic, Investigative, Conventional)
Interest Area: Information Technology
Working Conditions: Generally comfortable well-lit office or computer lab.
Avg Work Week: 40hrs (could require nights & weekends to meet deadlines or solve unexpected technical problems.)
Sources of additional info: NH Employment Security (Contact office nearest you or go online to www.nhes.state.nh.us).

TASKS

1. Analyzes software requirements to determine feasibility of design within time/cost constraints.
2. Analyzes information to determine, recommend, and plan layout for type of computers and peripheral equipment modifications to existing systems.
3. Consults with engineering staff to evaluate interface between hardware and software and operational and performance requirements of overall system.
4. Evaluates factors such as reporting formats required, cost constraints, and need for security restrictions to determine hardware configuration.
5. Formulates and designs software system, using scientific analysis and mathematical models to predict and measure outcome and consequences of design.
6. Confers with data processing and project managers to obtain information on limitations and capabilities.
7. Develops and directs software system testing procedures, programming, and documentation.
8. Coordinates installation of software system.
9. Monitors functioning of equip. to ensure system operates in conformance with specifications.
10. Consults with customer concerning maintenance of software system.
11. Specifies power supply requirements and configuration.
12. Enters data into computer terminal to store, retrieve, and manipulate data for analysis of system capabilities and requirements.
13. Recommends purchase of equipment to control dust, temperature, and humidity.
14. Trains users to use new or modified equipment.

*Data similar to other occupations within O*Net. Specific information to be gathered in the future.* www.onetcenter.org

Association for Computing Machinery, 1515 Broadway, New York, NY 10036 (www.acm.org).

IEEE Computer Society, 1730 Massachusetts Ave. NW, Washington, DC 20036 (www.computer.org)

National Workforce Center for Emerging Technologies, 3000 Landerholm Circle SE., Bellevue, WA 98007 (www.nwcet.org).

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